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OM protein - protein search, using sw model

Run on: May 31, 2003, 17:49:22 ; Search time 17.5407 Seconds
(without alignments)
214.708 Million cell updates/sec

Title: US-09-772-103-8

Perfect score: 655

Sequence: 1 MDPQVQIFSLILISAVLS.....CQWSSYPLTFGGTKVEIK 128

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/ptodata/1/iaa/5A COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	609	93.0	128	4	US-08-619-491-6
2	609	93.0	128	5	PCT-US95-07302-6
3	599	91.5	235	4	US-09-171-945-52
4	593	90.5	235	4	US-09-171-945-99
5	590	90.1	133	2	US-08-116-778E-37
6	590	90.1	133	2	US-08-438-562-37
7	590	90.1	133	2	US-08-483-528B-101
8	583	89.0	235	4	US-09-171-945-97
9	567	86.6	130	4	US-09-393-385B-111
10	564	86.1	130	4	US-09-393-385B-113
11	543	82.9	235	4	US-09-011-769A-27
12	520	79.4	128	1	US-07-946-421-26
13	519	79.2	128	1	US-07-634-278-31
14	519	79.2	128	1	US-08-477-728-31
15	519	79.2	128	1	US-08-474-040-31
16	519	79.2	128	1	US-08-487-200-31
17	519	79.2	128	1	US-08-484-537-31
18	518	79.1	126	2	US-08-656-586-6
19	518	79.1	235	4	US-09-171-945-17
20	516	78.8	129	5	PCT-US95-07372-12
21	514	78.5	128	4	US-08-619-491-2
22	514	78.5	128	5	PCT-US95-07302-2
23	514	78.5	233	4	US-09-485-737B-69
24	508	77.6	106	1	US-07-634-278-35
25	508	77.6	106	1	US-07-634-278-59
26	508	77.6	106	1	US-08-477-728-35
27	508	77.6	106	1	US-08-477-728-59

28	508	77.6	106	1	US-08-474-040-35	Sequence 35, Appl
29	508	77.6	106	1	US-08-474-040-59	Sequence 59, Appl
30	508	77.6	106	1	US-08-487-200-35	Sequence 35, Appl
31	508	77.6	106	1	US-08-487-200-59	Sequence 59, Appl
32	508	77.6	106	4	US-08-484-537-35	Sequence 35, Appl
33	508	77.6	106	4	US-08-484-537-59	Sequence 59, Appl
34	506	77.3	129	2	US-08-116-778E-2	Sequence 2, Appl
35	506	77.3	129	2	US-08-438-562-2	Sequence 2, Appl
36	506	77.3	129	2	US-08-483-528B-92	Sequence 92, Appl
37	503	76.8	106	3	US-08-397-411-8	Sequence 8, Appl
38	503	76.8	213	3	US-08-397-411-12	Sequence 12, Appl
39	500	76.3	110	1	US-08-482-882-96	Sequence 96, Appl
40	500	76.3	110	2	US-08-483-389-96	Sequence 96, Appl
41	500	76.3	110	2	US-08-487-113D-96	Sequence 96, Appl
42	500	76.3	110	2	US-08-473-503-96	Sequence 96, Appl
43	500	76.3	110	2	US-08-483-332-96	Sequence 96, Appl
44	500	76.3	110	2	US-08-720-420A-96	Sequence 96, Appl
45	500	76.3	110	3	US-08-714-017-96	Sequence 96, Appl

ALIGNMENTS

RESULT 1
US-08-619-491-6
; Sequence 6, Application US/08619491
; Patent No. 6210670
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/619,491
; FILING DATE: 26-MAR-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US95/07302
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/259,963
; FILING DATE: 14-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 011823-005810US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-619-491-6

Query Match 93.0%; Score 609; DB 4; Length 128;
Best Local Similarity 93.0%; Pred. No. 4e-48;
Matches 119; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 1 MDPQVQIFSLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITVMSWYQOK 60
Db 1 MDPQVQIFSLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITVMSWYQOK 60
QY 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPPLTFG 120
Db 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPPLTFG 120
QY 121 GGTKEIK 128
Db 121 GGTKEIK 128

RESULT 2

PCT-US95-07302-6
; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Beig, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-07302-6

Query Match 93.0%; Score 609; DB 5; Length 128;
Best Local Similarity 93.0%; Pred. No. 4e-48;
Matches 119; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 1 MDPQVQIFSLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITVMSWYQOK 60
Db 1 MDPQVQIFSLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITVMSWYQOK 60
QY 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPPLTFG 120
Db 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPPLTFG 120

QY 121 GGTKEIK 128
Db 121 GGTKEIK 128

RESULT 3

; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-99

US-09-171-945-52
; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:

; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-52

Query Match 91.5%; Score 599; DB 4; Length 235;
Best Local Similarity 91.4%; Pred. No. 6.3e-47;
Matches 117; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 1 MDPQVQIFSLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITVMSWYQOK 60
Db 1 MDPQVQIFSLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITVMSWYQOK 60
QY 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPPLTFG 120
Db 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPPLTFG 120
QY 121 GGTKEIK 128
Db 121 GGTKEIK 128

RESULT 4

US-09-171-945-99
; Sequence 99, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:

; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-99

Query Match 90.5%; Score 593; DB 4; Length 235;
Best Local Similarity 90.6%; Pred. No. 2.2e-46;
Matches 116; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 60
DB 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 60

QY 61 PGKAPKLLIYDTSNLSASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 120
DB 61 PGKAPKLLIYDTSNLSASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 120

QY 121 GGTKEIK 128
DB 121 GGTKEIK 128

RESULT 5
US-08-116-778E-37
; Sequence 37, Application US/08116778E
; Patent No. 5830470
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NORUO
; APPLICANT: KAWANA, YOSHIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHVE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/116,778E
; FILING DATE: 07-SEP-93
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 249-59
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 133 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-116-778E-37

Query Match 90.1%; Score 590; DB 2; Length 133;
Best Local Similarity 89.8%; Pred. No. 2.1e-46;
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 60
DB 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 60

QY 61 PGKAPKLLIYDTSNLSASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 120
DB 61 PGKAPKLLIYDTSNLSASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 120

QY 121 GGTKEIK 128
DB 121 GGTKEIK 128

RESULT 6
US-08-438-562-37
; Sequence 37, Application US/08438562
; Patent No. 5874255
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NORUO
; APPLICANT: KAWANA, YOSHIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHVE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,562
; FILING DATE: 10-MAY-95
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/116,778
; FILING DATE: 07-SEP-93
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 249-76
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 133 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-438-562-37

Query Match 90.1%; Score 590; DB 2; Length 133;
Best Local Similarity 89.8%; Pred. No. 2.1e-46;
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 60
DB 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 60

QY 61 PGKAPKLLIYDTSNLSASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 120
DB 61 PGKAPKLLIYDTSNLSASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITVMSWYQOK 120

QY 121 GGTKEIK 128
DB 121 GGTKEIK 128

RESULT 7
US-08-483-528B-101

; Sequence 101, Application US/08483528B
; Patent No. 5939532
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUWANA, YOSHIIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 103
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,528B
; FILING DATE: 07-JUN-95
; CLASSIFICATION: 536
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 101:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 133 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-483-528B-101

Query Match 90.1%; Score 590; DB 2; Length 133;
Best Local Similarity 89.8%; Pred. No. 2.1e-46;
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
DB 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
QY 61 PKAPKLLIYDTSNLSASGVPSRFSGSGSDTYTLTISLQPEDFATYYCQQRSSYPYTFG 120
DB 61 PKAPKLLIYDTSNLSASGVPSRFSGSGSDTYTLTISLQPEDFATYYCQQRSSYPYTFG 120
QY 121 GGTKEIK 128
DB 121 GGTKEIK 128

RESULT 8
US-09-171-945-97
; Sequence 97, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; FILE REFERENCE: Antibody, and Their Therapeutic Use in an Adept System
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165

; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 97
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;
Best Local Similarity 89.1%; Pred. No. 1.7e-45;
Matches 114; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
DB 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
QY 61 PKAPKLLIYDTSNLSASGVPSRFSGSGSDTYTLTISLQPEDFATYYCQQRSSYPYTFG 120
DB 61 PKAPKLLIYDTSNLSASGVPSRFSGSGSDTYTLTISLQPEDFATYYCQQRSSYPYTFG 120
QY 121 GGTKEIK 128
DB 121 GGTKEIK 128

RESULT 9
US-09-393-385B-111
; Sequence 111, Application US/09393385B
; Patent No. 6423511
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUWANA, YOSHIIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/393,385B
; FILING DATE: 27-JUN-96
; CLASSIFICATION:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 111:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 130 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-393-385B-111

Query Match 86.6%; Score 567; DB 4; Length 130;
Best Local Similarity 86.7%; Pred. No. 2.5e-44;
Matches 111; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

Qy 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
Qy 61 PGKAPKLLIYDTSNLSASGVPRFSGSGGTDYTLTISSLPQEDFATYYCQWSSVPLTFG 120
Db 61 PGKAPKLLIYDTSNLSASGVPRFSGSGGTDYTLTISSLPQEDFATYYCQWSSVPLTFG 120
Qy 121 GGTKVEIK 128
Db 121 GGTKVEIK 128

RESULT 10

US-09-393-385B-113
; Sequence 113, Application US/09393385B
; Patent No. 6423511

GENERAL INFORMATION:

; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUWANA, YOSHIHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES

NUMBER OF SEQUENCES: 113

CORRESPONDENCE ADDRESS:

; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD

; CITY: ARLINGTON

; STATE: VIRGINIA

; COUNTRY: U.S.A.

; ZIP: 22201-4714

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/393,385B

; FILING DATE: 27-JUN-96

CLASSIFICATION:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)816-4000

; TELEFAX: (703)816-4100

; INFORMATION FOR SEQ ID NO: 113:

SEQUENCE CHARACTERISTICS:

; LENGTH: 130 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-393-385B-113

Query Match

Best Local Similarity 86.1%; Score 564; DB 4; Length 130;

Matches 110; Conservative 8; Mismatches 10; Indels 0; Gaps 0;

Qy 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
Qy 61 PGKAPKLLIYDTSNLSASGVPRFSGSGGTDYTLTISSLPQEDFATYYCQWSSVPLTFG 120
Db 61 PGKAPKLLIYDTSNLSASGVPRFSGSGGTDYTLTISSLPQEDFATYYCQWSSVPLTFG 120
Qy 121 GGTKVEIK 128
Db 121 GGTKVEIK 128

RESULT 11

US-09-011-769A-27

; Sequence 27, Application US/09011769A
; Patent No. 6436691

GENERAL INFORMATION:

; APPLICANT: SLATER, Anthony M.

; BLAKEY, David C.

; DAVIES, David H.

; HENNEQUIN, Laurent F.A.

; MARSHAM, Peter R.

; DOWELL, Robert I.

; TITLE OF INVENTION: Chemical Compounds

NUMBER OF SEQUENCES: 87

CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pillebury Madison & Sutro, LLP
; STREET: 1100 New York Ave., N.W.

; CITY: Washington

; STATE: D.C.

; COUNTRY: U.S.A.

; ZIP: 20005

COMPUTER READABLE FORM:

; MEDIUM TYPE: 1.44 Mb disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: MS Word

CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/011.769A

; FILING DATE: 13-Feb-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/GB96/01975

; FILING DATE: 13-AUG-1996

; APPLICATION NUMBER: GB 9612295.7

; FILING DATE: 12-JUN-1996

; APPLICATION NUMBER: GB 9611019.2

; FILING DATE: 25-MAY-1996

; APPLICATION NUMBER: GB 9516810.0

; FILING DATE: 16-AUG-1995

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

; LENGTH: 235 amino acids

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 27:

US-09-011-769A-27

Query Match

Best Local Similarity 82.9%; Score 543; DB 4; Length 235;

Matches 106; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCATSSITVMSWYQOK 60
Qy 61 PGKAPKLLIYDTSNLSASGVPRFSGSGGTDYTLTISSLPQEDFATYYCQWSSVPLTFG 120
Db 61 PGLAPKSWIYATSNLSASGVPRFSGSGGTDYTLTISSLPQEDFATYYCQWSSVPLTFG 120
Qy 121 GGTKVEIK 128
Db 121 GGTKVEIK 128

RESULT 12

US-07-946-421-26

; Sequence 26, Application US/07946421

; Patent No. 558864

GENERAL INFORMATION:

; APPLICANT: Bendig, Mary M.

; APPLICANT: Kettleborough, Catherine A.

; APPLICANT: Saldanha, Jose

; TITLE OF INVENTION: Humanized and Chimeric Monoclonal

; TITLE OF INVENTION: Antibodies

NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Millien, White, Zelano & Branigan, P.C.
STREET: 2200 Clarendon Boulevard, Suite 1400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22201
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/946,421
FILING DATE: 06-NOV-1992
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP92/00480
FILING DATE: 04-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 911933892
FILING DATE: 06-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hamlet-King, Diana
REGISTRATION NUMBER: 33,302
REFERENCE/DOCKET NUMBER: Merck 1430
TELEPHONE: 703-243-6333
TELEFAX: 703-243-6410
TELEX: 64191
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-07-946-421-26

Query Match 79.4%; Score 520; DB 1; Length 128;
Best Local Similarity 77.3%; Pred. No. 4.2e-40;
Matches 99; Conservative 15; Mismatches 14; Indels 0; Gaps 0;

QY 1 MDPQVQIFSELLISASVILSRGDIQWTPSSLSASVGRVITTCSTSSITYMSYQOK 60
Db 1 MDPQVQIFSELLISASVILSRGDIQWTPSSLSASVGRVITTCSTSSITYMSYQOK 60

QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGGTDTYLTITSSLOPEDFATYYCQWSSYPLTFG 120
D 61 PGSSPRLIYDTSNLASGVPRFSGSGGTSTSLTISRMEADAATYYCQWSSHIPTFG 120

QY 121 GGTKEIK 128
Db 121 SGTKEIK 128

RESULT 13
US-07-634-278-31
Sequence 31, Application US/07634278
Patent No. 5530101
GENERAL INFORMATION:
APPLICANT: QUEEN, Cary L.
APPLICANT: CO, Man Sung
APPLICANT: SCHNEIDER, William P.
APPLICANT: LANDOLFI, Nicholas P.
APPLICANT: COELING, Kathleen L.
APPLICANT: SELICK, Harold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California

COUNTRY: US
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/634,278
FILING DATE: 19-DEC-1990
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/310,252
FILING DATE: 13-FEB-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-002600
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-634-278-31

Query Match 79.2%; Score 519; DB 1; Length 128;
Best Local Similarity 75.0%; Pred. No. 5.2e-40;
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;

QY 1 MDPQVQIFSELLISASVILSRGDIQWTPSSLSASVGRVITTCSTSSITYMSYQOK 60
Db 1 MDPQVQIFSELLISASVILSRGDIQWTPSSLSASVGRVITTCSTSSITYMSYQOK 60

QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGGTDTYLTITSSLOPEDFATYYCQWSSYPLTFG 120
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGGTSTSLTISRMEADAATYYCQWSSYPLTFG 120

QY 121 GGTKEIK 128
Db 121 AGTKLEK 128

RESULT 14
US-08-477-728-31
Sequence 31, Application US/08477728
Patent No. 5585089
GENERAL INFORMATION:
APPLICANT: QUEEN, Cary L.
APPLICANT: SCHNEIDER, William P.
APPLICANT: SELICK, Harold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: Palo Alto
STATE: California
COUNTRY: US
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,728
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA: US 07/634,278
FILING DATE: 19-DEC-1990
PRIOR APPLICATION DATA: US 07/590,274
FILING DATE: 28-SEP-1990
PRIOR APPLICATION DATA: US 07/310,252
FILING DATE: 13-FEB-1989
PRIOR APPLICATION DATA: US 07/290,975
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-002600
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-477-728-31

Query Match 79.2%; Score 519; DB 1; Length 128;
Best Local Similarity 75.0%; Pred. No. 5.2e-40;
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;

Qy 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVTITCSATSSITMSWYQOK 60
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVTITCSATSSITMSWYQOK 60

Qy 61 PGKAPKLLIYDTSNLSAGVPSRFGSGGSDYTLTISLQPEDFATYYCQWSSYPLTFG 120
Db 61 PGSSPRLIIYDTSNLSAGVPSRFGSGGSDYTLTISLQPEDFATYYCQWSSYPLTFG 120

Qy 121 GGTKVEIK 128
Db 121 AGTKLELK 128

RESULT 15
US-08-474-040-31
Sequence 31, Application US/08474040
Patent No. 5693761
GENERAL INFORMATION:
APPLICANT: QUEEN, Cary L.
APPLICANT: CO, Man Sung
APPLICANT: SCHNEIDER, William P.
APPLICANT: LANDOLET, Nicholas F.
APPLICANT: COELINGH, Kathleen L.
APPLICANT: SELICK, Harold E.
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS
NUMBER OF SEQUENCES: 113
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
COUNTRY: US
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,040
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA: US 07/634,278
FILING DATE: 19-DEC-1990
APPLICATION NUMBER: US 07/590,274
FILING DATE: 28-SEP-1990
PRIOR APPLICATION DATA: US 07/310,252
FILING DATE: 13-FEB-1989
APPLICATION NUMBER: US 07/290,975
FILING DATE: 28-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-002600
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-474-040-31

Query Match 79.2%; Score 519; DB 1; Length 128;
Best Local Similarity 75.0%; Pred. No. 5.2e-40;
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;

Qy 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVTITCSATSSITMSWYQOK 60
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVTITCSATSSITMSWYQOK 60

Qy 61 PGKAPKLLIYDTSNLSAGVPSRFGSGGSDYTLTISLQPEDFATYYCQWSSYPLTFG 120
Db 61 PGSSPRLIIYDTSNLSAGVPSRFGSGGSDYTLTISLQPEDFATYYCQWSSYPLTFG 120

Qy 121 GGTKVEIK 128
Db 121 AGTKLELK 128

Search completed: May 31, 2003, 17:59:01
Job time : 19.5407 secs

